5/148/61/000/004/002/008 E071/E480

The influence of tapping slag ...

interaction between the tapping slag and metal, it is necessary to find the physico-chemical properties of slag which aid its separation from the metal. There are 5 figures, 1 table and 8 Soviet references.

ASSOCIATION: Kuznetskiy metallurgicheskiy kombinat

(Kuznetsk Metallurgical Combine)

SUBMITTED: May 31, 1960

Card 3/3

#### CIA-RDP86-00513R001109 "APPROVED FOR RELEASE: Wednesday, June 21, 2000

经营制的特别**以外的企业企业的现在的企业在20**00年的支持,在400年的企业,企业企业企业企业企业企业企业企业企业企业企业企业企业企业的企业的企业企业企业企业企业企业企业

5/148/61/000/012/003/009 E071/E435

Danilov, P.M. AUTHOR:

Card 1/3

Formation of oxide inclusions in steel deoxidized with TITLE:

aluminium

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Chernaya

metallurgiya, no.12, 1961, 54-60

The formation and distribution of inclusions on solidification of steel was studied on an industrial 1300 kg ingot TEXT: 30 kg laboratory ingots (thermally insulated to obtain a variation in the rate of their solidification) and on pencil samples. experimental heats of WX15 (ShKhl5) steel, containing from traces to 0.088% Al, were carried out in an induction furnace using pig iron as a starting material. Aluminium was introduced at 1600 ± 10°C then, after 1.5 min, a sample was taken in a cylindrical mould (20 x 105 mm) and the metal tapped into an insulated cylindrical mould (135 x 320). Specimens for the investigation of non-metallic inclusions were cut out from samples and the corresponding ingots. Mean diameter of non-metallic inclusions, mean index of contamination (summary area of

了到了时间,但我还用的时候看到**的**的经验是可能的理解,我们是我们的一种的,我们就是不是一个的一个的,我们就是这个人的一个人的人的人,我们就是这个人的人,我们就是一个

S/148/61/000/012/003/009 E071/E435

Formation of oxide inclusions ...

inclusions, expressed in the units of the scale used) and the amount of inclusions per  $100 \text{ mm}^2$  of the polished specimen were used for the evaluation of the degree of contamination of steel The degree of contamination of the industrial by inclusions. ingot (ShKh15) was investigated in the direction from the periphery to the centre. It is concluded that, at the temperature of smelting, aluminium introduced into the steel (within the range investigated) does not combine the whole dissolved oxygen therefore, the deoxidation processes continue during the cooling and this results in formation of non-metallic inclusions various cooling and crystallization velocities of steel containing aluminium, the development of secondary deoxidation reactions and separation and grouping of inclusions is non-uniform the degree of contamination in transverse direction of an ingo: The maximum degree of with oxides is also non-uniform. contamination is observed at the end of the dendrites and in the axial zone. An increase of the aluminium content in the metal leads to an increase in alumina in the non-metallic inclusions which in turn increases the interphase tension on the boundary Card 2/3

S/148/61/000/012/003/009 E071/E435

Formation of oxide inclusions ...

inclusion-metal and thus lowers the adhesion of inclusions to the metal and enhances their coalescence. The optimum content of alumina in the non-metallic inclusion is apparently reached for an aluminium content of 0.019 to 0.02%. A further increase in the aluminium content leads to its intense oxidation (during melting in air) resulting in a higher rate of formation of alumina than its removal from the metal. During crystallization of steel oxide inclusions can "spread" to some extent along the convection currents. As a result of this, the degree of contamination of longitudinal specimens is lower than that of transverse ones V.A.Davidenkov is mentioned in connection with his contribution in this field. There are 4 figures, 2 tables and 5 references 4 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Kuznetskiy metallurgicheskiy kombinat

(Kuznetsk Metallurgical Combine)

SUBMITTED: May 5, 1961

Card 3/3

DANILOV, P.M.; KRAMAROV, A.D.; YEREMENKO, S.N.; GLAZAOVA, L.V.

Oxygen content and nonmetallic inclusions in steel with its deoxidation by aluminum. Izv. vys. ucheb. zav.; chern. met. 4 (MIRA 14:9)

1. Kuznetskiy metallurgicheskiy kumlinat i Eibirskiy metallurgicheskiy institut.

(Steel--Ovygen content) (Aluminum)

DANILOV, P. M.; KARACENTEVA, L. N. [Karachentseva, L. N.]

Influence of tapped slag on the impurity of the steel with nonmetallic inclusions. Analele metalurgie 15 no.4:59-68 0-D '61.

(Slag) (Steel)

39748

5/148/62/000/006/001/005

E071/E435

11500

AUTHORS:

Vishnyakov, A.V., <u>Danilov</u>, <u>P.M.</u>, Meteleva, G.G., Borodulin, A.I., <u>Tkachev</u>, <u>I.S.</u>, <u>Plekhanov</u>, <u>P.S.</u>

TITLE:

Casting of 7 ton ingots of killed steels with closed

shrinkage cavity

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya veldo.6, 1962, 32-38

The possibility of teeming 7 ton ingots with a closed shrinkage cavity which is sufficiently clean as regards non-metallic inclusions and segregations to become welded together on rolling was demonstrated. For insulating the closed shrinkage cavity from air, a skin of 3 to 5 mm thick would be sufficient but for the fact that on reheating the ingot such thin skin can melt and, therefore, the thickness of an insulating layer of 20 to 100 mm is The principle of the method is to form a bridge in the shrinkage cavity soon after teeming. This bridge will divide the shrinkage cavity into closed and open parts. The closed part will Card 1/2

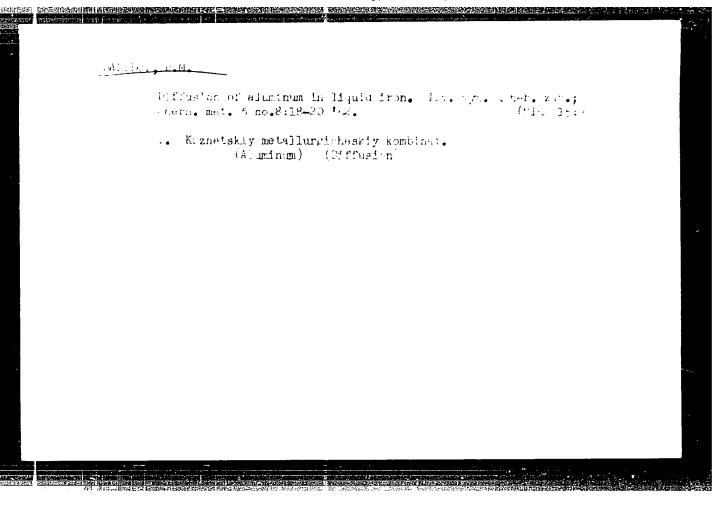
S/148/62/000/006/001/005 E071/2435

Casting of 7 ton ingots ...

weld together during rolling so that only the open part of the cavity has to be cut off. Altogether five modifications of teeming practice were tested (described in some detail and illustrated). Depending on the teeming practice, the size of the cut off end varied from 3 to 7%. Subsequent testing of the vertical cross-section of an ingot with closed shrinkage cavity for the segregation of carbon, phosphorus and sulphur showed that the degree of segregation was small and did not exceed the degree of segregation encountered in normal ingots. There are 4 figures.

ASSOCIATION: Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgicheskiy kombinat (Siberian Metallurgical Institute and Kuznetsk Metallurgical Combine)

SUBMITTED: May 20, 1961



VISHNYAKOV, A.V.; DANILOV, P.M.; METELEVA, G.G.; BORODULIN, A.I.;
TKichev, I.S.; Piekhanov, P.S.

Fusion of closed shrinkage cavities in killed steel ingots.

Izv. vys. ucheb. zav.; chern. met. 5 no.8:44-52 162.

(MIRA 15:9)

1. Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgicheskiy kombinat.

(Steel ingots—Defects)

DANILOV, P.M., inzh.

Effect of the fluidity of the tapping slag on the content of nonmetallic inclusions in ShKhl5 steel. Stal' 22 no.2:133-134 F '62. (MIE. 15:2)

1. Kuznetskiy metallurgicheskiy kombinat, (Steel - Electrometallurgy)

Investigating a new procedure for the smelting of ShKhl5 steel in alectric furnaces. Stal' 22 no.10:912-915 0'62. (MIRA 15:10)

1. Kuznetskiy metallurgicheskiy kombinat. (Steel-Electrometallurgy)

VISHNYAKOV, A.V.; BORODULIN, A.I.; DANILOY, P.M.; METELEVA, G.G.;
TKACHEV, I.S.; PLEKHANOV, P.S.

Quality of the fusion of closed shrinkage cavities in killed steel ingots. Stal' 22 no.12:1118-1120 D'62. (MIRA 15:12)

1. Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgicheskiy kombinat. (Steel ingots—Defects) (Rolling (Metalwork))

ACCESSION NR: AP4019474

5/0133/64/000/003/0229/0231

AUTHORS: Konovalov, K. N. (Engineer); Glazov, A. N. (Engineer); Danilov, P. M. (Engineer); Pashchenko, V. Ye. (Engineer)

TITLE: The effect of ingot mold lubrication on the surface quality of steel lkhl8N9T

SOURCE: Stal', no. 3, 1964, 229-231

TOPIC TACS: steel, lKhl8N9T stainless steel, steel melting, steel pouring, inget mold lubricant, oxidizing lubricant, reducing lubricant, evaporative lubricant, refractory powder, slag powder, naphthalene, anthracene, petrolatum, lakoil lubricant

ABSTRACT: The effect of ingot mold lubrication on the quality of the surface of stainless steel ingots (lKhl8N9T) was studied experimentally. The casts were produced by both top- and bottom-pouring methods. The results showed that the addition of oxidizing or reducing powders to the usual lubricant did not eliminate the formation of crust and of pitted surface, while evaporative lubricant applied to cool molds decreased the number of pits but increased various defects associated

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ACCESSION NR: AP4019474

with the formation of crust. It was also determined that the absence of lubricant or the use of the refractory and slag powders as substitutes for lubricants increased the number of scabs on the ingot surface, and that the presence of moisture or of organic matter in such powders increased the degree of surface pitting. Adding dry borax to the "lakoil" lubricant improved somewhat the surface quality, whereas using naphthalene, anthracene, and petrolatum as lubricants created reducing conditions during steel pouring and resulted in a uniform "lubricating" layer of scot on the mold walls and produced a greatly improved general appearance of the ingot surface. Orig. art. has: 3 figures.

ASSOCIATION: Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine)

SUBMITTED: 00

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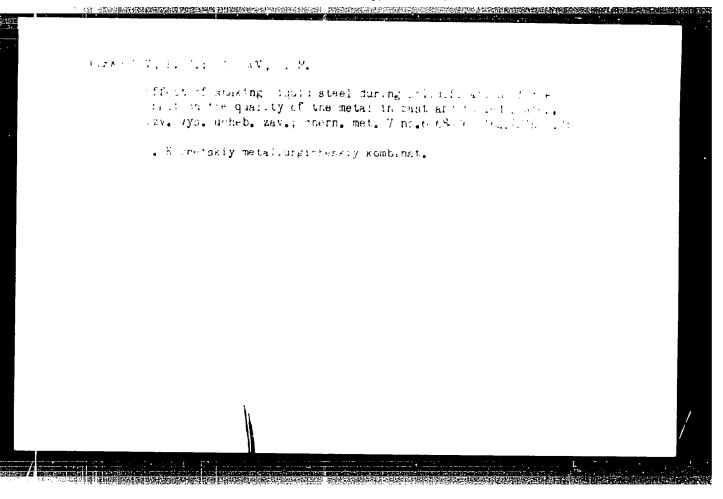
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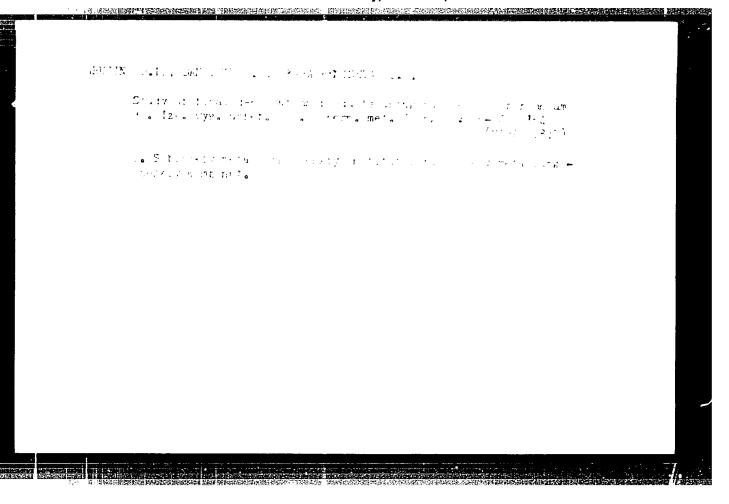
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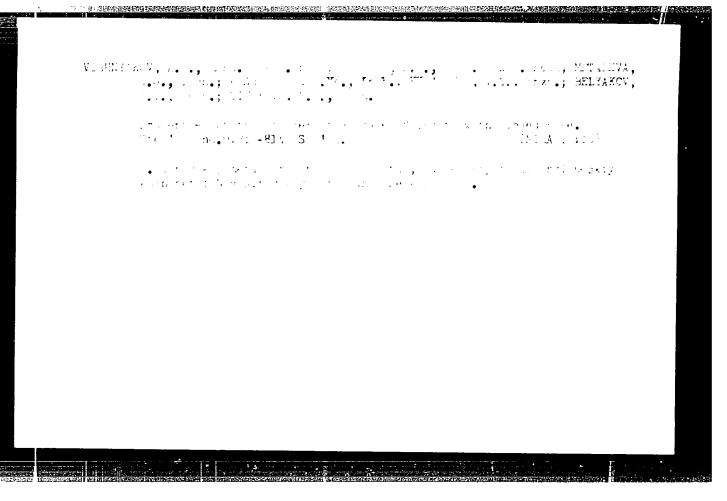
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Card 2/2



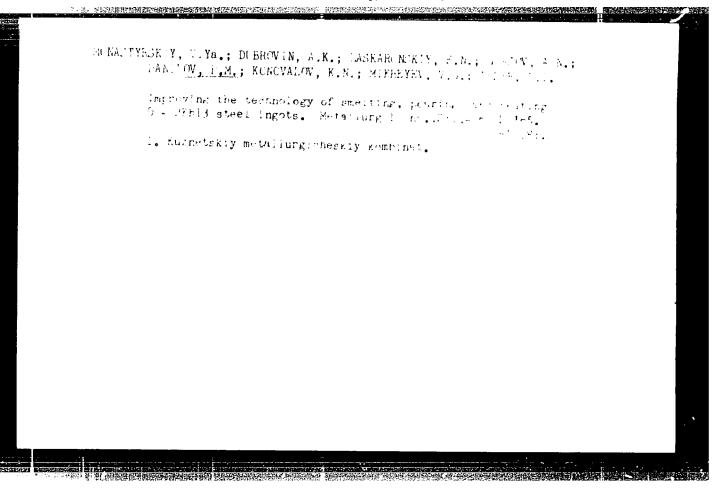




LEVIN, A.M.; GLAZOV, A.N.; VERSHININ, V.I.; DANILOV, P.M.; PASHCHENKO, V.Ye.

Characteristics of the production of catalyzer steel with a low addition content. Izv. vys. ucheb. zav.; chern. met. 8 no.10:62-68 '65. (MIRA 18:9)

1. Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgi-cheskiy kombinat.



29252-66 EMP(j)/EMT(m) RM/WW/JW ACC NR: AP6019314 SOURCE CODE: UR/0286/65/000/012/0022/0022 INVENTOR: Levin, A. H.; Clazov, A. N.; Vershinin, V. I.; Danilov, P. M.; Plekhanov, P. S.; Pashchenko, V. Ye.; Lachinov, S. S.; Kuznetsov, L. Der Rabina, Levitskaya, T. T.; Tatarov, F. S.; Lipinskaya, V. P.; Cherneyeva, Z. M.; Alekseyeva, ORG: none . TITIE: Steel for manufacturing ammonia synthesis catalyzer. Class 18, No. 171877 SOURCE: Byulleten' isobreteniy i tovarnykh znakov, no. 12, 1965, 22 TOPIC TAGS: steel, ammonia, inorganic synthesis, catalysis ABSTRACT: A steel for manufacturing ammonia synthesis catalyzers is distinguished by an increased catalyzer activity and has the following chemical composition: 0.10% C, 1.0-2.0% Al, 0.05% Mn, 0.008% P, 0.008% S, 0.05% Cr, 0.10% Gu, 0.05% Mi, 0.40% Si, balance-iron. [JPRS] SUB CODE: 11. 07 / SUBM DATE: UDC: 669.14/15

GLAZOV, A.N., inzh.; DANILOV, P.M., kand. tekhn. nauk; ZAMARAYEV Yo.M., inzh.; MESYATS, V.I., inzh.; PACHCHENRO, V.Ye., inzh.

Influence of the technology of smelting on the quality of Khl7N7IC steel sheet and rolled shapes. Stal' 25 no.10 911-913 J'65.

1. Kuznetskiy metallurgicheskiy kombinat.

\$/032/60/026/05/33/063 B010/B008

AUTHOR:

Danilov, P. N.

TITLE:

Fatigue Tests at Continuous and Uniform Change of the

Amplitude of the Cyclic Stresses 1

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 5, pp. 598-612

TEXT: A suitable device was designed on the basis of the machine by Schenk intended for fatigue tests (by means of circular bendings), for carrying out the tests mentioned in the title. An additional motor which caused continuous load and thus produced in the test sample continuous uniformly changing amplitudes of the cyclic stresses was used.

The change of the stress amplitude amounted to about 2 kg/mm per minute. Steel samples of the types 40Kh, 35KhM, 40KhNVA, 35KhN3M, 6082A, 65G, 50KhFA, and 6582VA which were subjected to various thermal pretreatment, were tested. Individual data on the samples investigated and the test results are given in a table. The maximum value of the amplitude at which the fracture of the sample occurs, was fixed at

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CIA-RDP86-00513R001109

APPROVED FOR RELEASE: Wednesday, June 21, 2000

Fatigue Tests at Continuous and Uniform Change S/032/60/026/05/33/063 of the Amplitude of the Cyclic Stresses B010/B008

conditions of a continuous increase of the amplitude of the cyclic stresses. It was observed that the fracture of the samples (for a group of samples) occurs at a similar maximum value of the amplitude, so that the mean value of 3 to 5 determinations can be considered as a new index of the mechanical properties, and is denoted conditionally as fatigue strength limit  $d_B^i$ . A table shows that  $d_B^i$  is considerably smaller than the yield strength and the proportional limit at elongations. With a reduction of the strength of the steel,  $\mathfrak{O}_{\mathbf{R}}^{\,\prime}$  approaches however the last-mentioned values. It is established that a linear dependence exists between the index  $o_R^1$  and the fatigue limits  $o_{-1}^1$  and  $o_{-1}^1$  (Fig. 3, diagrams of the dependence  $\delta_B^i - \delta_{-1}^i$  and  $\delta_B^i - \delta_{-1}^i$ ). The first results of the fixation of the index for the evaluation of the fatigue strength of a material which operates under conditions of a continuously changing amplitude of the cyclic stresses were thus fixed, and the relations to the common characteristics of the fatigue strength were represented. A paper by S. V. Serensen and L. A. Kozlov is mentioned in the text. There are 3 figures, 1 table, and 9 references, 7 of which are Soviet

Card 2/2

DANILOY, P.E.; QRIGOR'YANTS, A.S., spetsredaktor; PROSTOSERDOV, A.P., redaktor indatel'stva; BCROVMEV, H.K., tekhnicheskiy redaktor

[Sefety manual for scraper operators] Pamiatka po tekhnike bezopszapsti dlie skreperista. Moskva, Gos.izd-vo lit-ry po stroit. i srkhit., 1957. 21 p.

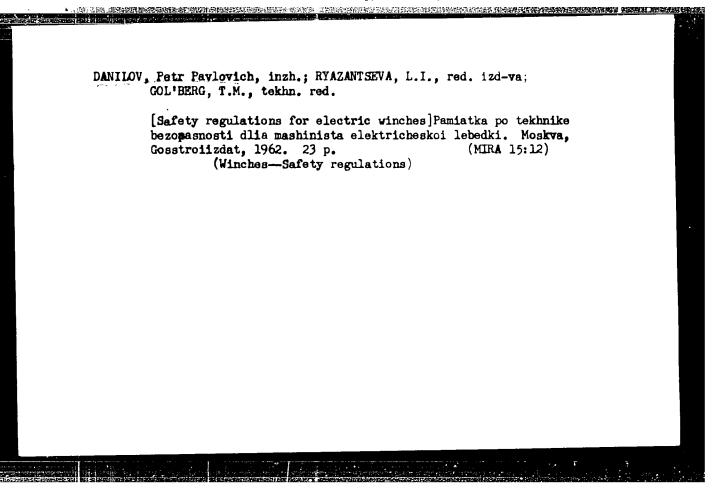
(Scrapers)

DANILOV, P.P.; CHEKHOVSKAYA, T.P., red. izd-va; BRUSINA, L.M., tekhn.

[Instructions on safety measures for hauling building machinery and equipment on trailers] Psmiatka po tekhnike bezopasnosti pri perevozke stroitel nykh mekhanizmov i oborudovaniia na trailerakh. Moskva, Gos.izd-vo stroit. lit-ry po stroit., arkhit. i stroit. materialam, 1961. 14 p. (MIRA 14:11) (Transportation, Automotive—Safety measures) (Building machinery)

DANILOV, P.P.; RYAZANTSEVA, L.I., red. izd-va; COL'EERG, T.M.,
tekhn. red.

[Safety regulations for operators of portable cranes]Pamiatka po tekhnike bezopasnosti dla mashinistov peremosnykh
kranov. Moskva Gosstroiizdat, 1962. 31 p. (MIRA 15:9)
(Cranes, derricks, etc.—Safety measures)



DANILOV, Petr Pavlovich; TABUNINA, M.A., red. izd-va; NAUMOVA, G.D., tekhn. red.

[Handbook on accident prevention for the hydraulic excavator operator]Pamiatka po tekhnike bezopasnosti dlia gidromonitor-shchika. Moskva, Gosstrolizdat, 1962. 30 p. (MIRA 15:12)

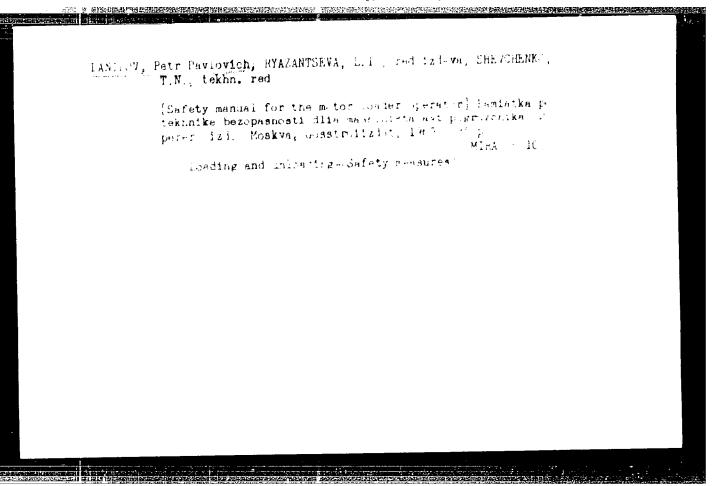
(Excavating machinery—Safety measures)

DANILOV Patr Paulovich: RYAZANTSEVA, L.I. red.; MIKHEYEVA, A.A., tekhn. red.

[Safety manual for transporting building machinery and equipment on trailers] Pamiatka po tekhnike bezopasnosti pri perevozke stroitel'nykh mekhanizmov i oborudovaniia na trailerakh. Izd.2., perer. i dop. Moskva, Gosatroitada, 1963. 31 p.

(Truck trailers—Safety measures)

(Construction equipment—Transportation)



BLOKH, E.L., inzh.; POTOKER, I.M., inzh.; (OMANK V, G.I., inzh.; KHRENOV, G.S., inzh.; DANILOV. P.P., nauchnyy red.; RYAZANTSEVA, L.I., red.; TARAKOVA, K.Ye., tekhn. red.

[Safety instructions for insulation work and the manufacture of materials at production bases] Instruktivnye ukazaniia po tekhnike bezopasnosti pri proizvodstve teploizoliatsionnykh rabot i izgotovlenii materialov na proizvodstvennykh basakh. Moskva, Gosstrolizdat, 1963. 102 p. (MIRA 16:9)

1. Russia (1917- R.S.F.S.R.) Ministerstvo montazhnykh i spetsial'nykh stroitel'nykh rabot. Tekhnicheskoye upravleniye. (Insulating materials) (Industrial safety)

DANILOV, Petr Pavlovich; PATENOVSKAYA, M.I., red.; PAVLOVA, V., tekhn. red.; YAKHONTOVA, T., tekhn. red.

[Safety regulations for motor crane operators] Pamiatka po tekhnike bezopasnosti dlia mashinista avtomobil'nogo krana. Izd.2., perer. i dop. Moskva, Stroiizdat, 1964. 35 p. (MIRA 17:3)



DANILOV, P.P., elektromekhanik

Attachment to a rod for changing PKN-6 fuses. Avtom., telem.i
sviaz' 6 no.ll:39 N '62.

1. Smolenskaya distantsiya signalizatsii i svyazi Moskovskoy dorogi.
(Electric cutouts)

DANILOV, Petr Starislavovich; BOBYLEVA, L.V., red.; GERASIMOVA, Ye.S., tekhm. red.

[Capital assets and productive capacity of industrial enterprises and how to use them to the vest advantage]

Osmovnye fondy i proizvodstvennye moshchnosti promyshlennykh predpriiatii i puti ikh luchshego ispol'zovaniia. Moskva,

Izd-vo ekon.lit-ry, 1961. 75 p. (MIRA 15:1)

(Capital) (Industrial capacity)

DANILOV, Petr Stanislavovich, prepodavatel'; PODGORNOVA, V., red.;

KLIMOVA, T., tekhn. red.

[Workers' participation in enterprise management]Uchastic rabochikh v upravlenii predpriiatiem. Moskva, Gospolitizdat, 1962.
46 p. (MIRA 15:6)

1. Moskovskaya vysshaya partiynaya shkola (for Danilov).

(Industrial management)

DANILOV, R. L.

"Investigation of the Performance of a Double Absorption Type Regrigerating Installation." Sub 21 Nov 47, Moscow Order of Lenin Power Engineering Instinent V. M. Molotov

Dissertations presented for degrees in science and engineering in Moscow in 194%

SO: Sum No. 457, 18 Apr 55

KOCHETKOV, N., kandidat tekhnicheskikh nauk; DANILOV, R., kandidat tekhnicheskikh nauk.

Absorption cold storage plant with an output of 30,000 large calories per hour. Khol.tekh. 30 no.4:11-15 O-D '53. (MLRA 7:3)

1. VNIKhI. (Refrigeration and refrigerating machinery)

RADYL'KES, I., professor, doktor tekhnicheskikh nauk:

Automatic pumpless absorption unit with a capacity of 10,000 kg-cal/hr.

Khol.tekh. 32 no.1:15-20 Ja-Mr '55. (MIRA 8:7)

(Refrigeration and refrigerating machinery)

DANILOV, R.L., kend.tekhn.nauk; BADYL'KES, I.S., doktor tekhn.nauk, prof..
nauchnyy red.; STROMGIN, V.L., red.; SABITOV, A., tekhn. red.

[Absorption refrigerating machinery for use in procurement centers and agriculture] Absorbtaionnye kholodil'nye mashiny dlia nisovoi seti i sal'skog khozinistva. Moskva, Gos. izd-vo torgovoi lit-ry, 1957. 24 p.

(Refrigeration and refrigerating machinery)

(Refrigeration and refrigerating machinery)

AUTHOR: Danilov, R., Candidate of Technical Sciences. 66-1-3/26
TITLE: Testing of a low temperature absorption unit of 100 000 kcal/hr cooling capacity. (Ispytaniye nizkotemperaturnoy

absorbtsionnoy ustanovki proizvoditel'nost'yu

100 tys. kkal/chas).

FERRICOTCAL: "Knolodil'naya Tekhnika" (Refrigeration Engineering), 1957, No.1, pp.10-15 (U.S.S.R.)

APERADE-VNIKhI developed a design of an absorption refrigeration unit for continuous operation with a cooling capacity of 100 000 kcal/hr for an evaporation temperature of -35 C and a condensation temperature of 30 C. According to this design 30 installations were built for cold stores of 700 ton capacity to be newly constructed, with a daily freezing capacity of 50 tons of fish. The first such cold store was put into operation in 1350. Operational tests were carried ou: on one such installation of 90 000 to 125 000 kcal/hr capacity with a circulation rate of the cooling solution of 15.4 to 11.3 kg of solution/kg of ammonia. The condensation temperature was 35.5 C, the evaporation temperature varied between -28 and -34 C. The heating temperature of the solution varied between 123 and 131 C,

Card 1/3 the installation required filling with a saturated vapour of

lesting of a low temperature absorption unit of 66-1-3/26 100 000 kcal/hr cooling capacity. (Cont.)

3 to 4 atm pressure. A schematic diagram of the installation is shown in Fig.1. In the generator ammonia vapours are separated which contain a certain percentage of water vapour and this mixture is first fed into distribution equipment where it is partly rectified by means of a strong solution flowing from the heat exchanger and following that proceeds to a system of cylindrical porcelain rings from where it will In the rectification fill the rectification column. column there is a counter flow of cold "flesma" (rich mixture of water with ammonia forming in the rectifier) which purifies additionally the ammonia vapour from the water. The final rectification of the ammonia vapour takes place in the water cooled rectifier. The almost pure amonia vapour then flows into the condenser where it is liquefied by means of flowing cold water. The liquid ammonia flows into the gas super-cooler where it is cooled by the ammonia vapours which flow from the evaporation system and from there the liquid ammonia flows into the evaporation system. The weak solution from the generator is directed into the heat exchanger where it flows in counter flow to Card 2/3 the strong solution and brings about a cooling down of the

Testing of a low temperature absorption unit of 66-1-3/26 100 000 kcal/hr cooling capacity. (Cont.)

,但我们们还到到海路的对抗,我们就是一个大小的人,我们就是一个大小的人,我们就是一个大小的人,我们就是一个大小的人,我们就是一个大小的人,我们就是一个一个人,

weak solution and heating of the strong solution. Following that, the weak solution flows through the regulating valve into the upper absorber elements. The absorber consists of three elements which are interconnected by means of tubes. The individual parts of the installation are described. Fig. 2 shows a sketch of the absorber; Fig.; shows a sketch of the hot unit and Fig. 4 of the cold unit. The heat transfer coefficients of the individual components and also some other data are included. There are four figures.

AVAILABLE:

Card 3/3

RADYL'KAS, I. prof., doktor tekhn. nauk; DANILOV, R., kand.tekhn.nauk

Refrigeration cycle with the use of vapor jets as boosters [with summary in English]. Khol. tekh. 35 no.4:27-32 Jl-Ag '58.

(MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti.

(Refrigeration and refrigerating machinery)

### "APPROVED FOR RELEASE: Wednesday, June 21, 2000

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CIA-RDP86-00513R001109

14(1)

30V/66-59-3-8/31

AUTHOR:

Danilov, R , Candidate of Technical Sciences

TITLE:

Determination of the Optimum Working Conditions for the Work of an

Absorption-Type Refrigerating Machine

PERIODICAL:

Kholodil'naya tekhnika, 1959. Nr 3, pp 34 - 36 (USSR)

ABSTRACT:

In the designing of absorption-type machines, one assumes that the circulation working process runs at constant condensation pressures and boiling points of coolants, a definite concentration of the strong solution and constant temperature of the weak solution which passed the heat exchanger. Thus at a prescribed pressure of condensation only the concentration varies. The optimum concentration of the weak solution therefore determines the optimum conditions of the process. The present article deals with the problem of finding this optimum concentration. If the concentration has its optimum value, the value of evaporation heat stands at a minimum, which is found from Equation 8 expressing the relationship between evaporation heat, enthalpies of ammonia vapors, weak solution and strong solution. This equation can be solved graphically,

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sov/66-59-3-8/31

Determination of the Optimum Working Conditions for the Work of an Absorption-Type Refrigerating Machine

by making use of the auxiliary variables x and y, given by Formulae 9 and 10. For practical purposes, Equation 8 can be simplified and reduced to Formula 11, which yields the optimum value of the concentration of a weak solution with an accuracy of 5%.

There are 2 graphs.

ASSOCIATION:

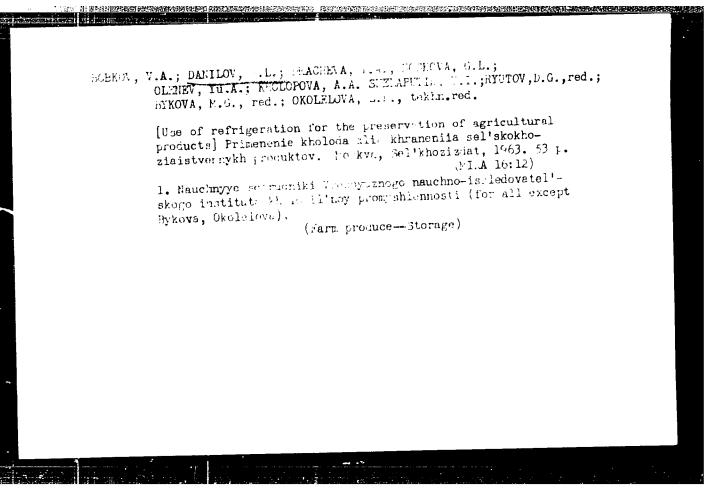
Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti (All-Union Scientific Research Institute of Refrigeration Industry)

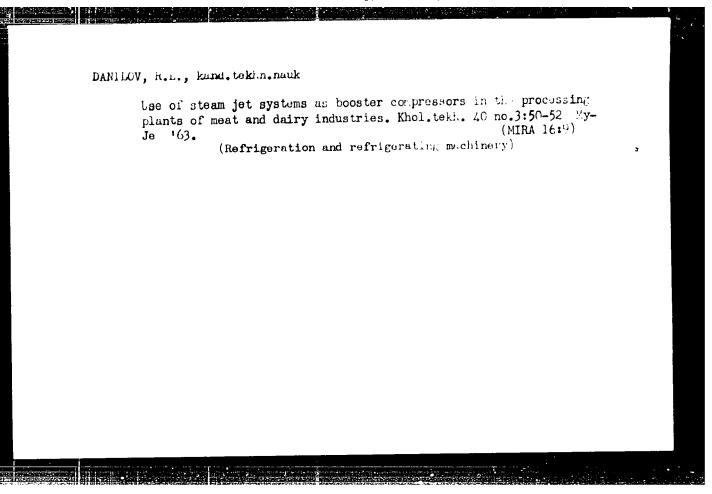
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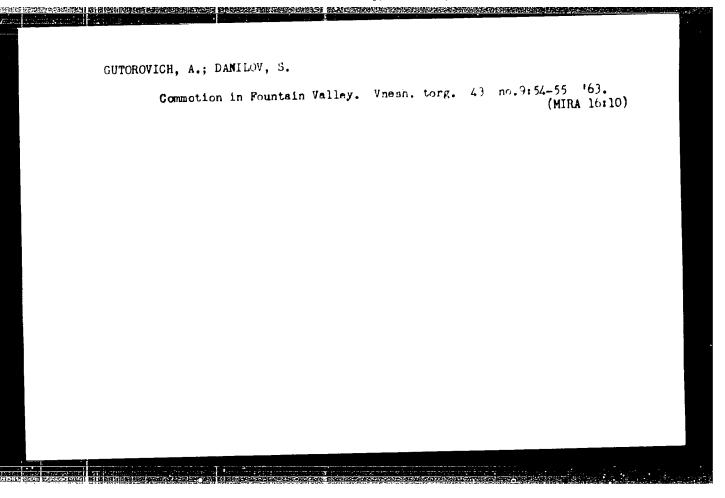
BADYL'KES, Isay Savel'yevich, doktor tekhn.nsuk, prof.; DANILOV, Rafail
Leonidovich, kand. tekhn. nauk; KAPLUR, M.S., red.; BRODSKIY, M.P.,
tekhn. red.

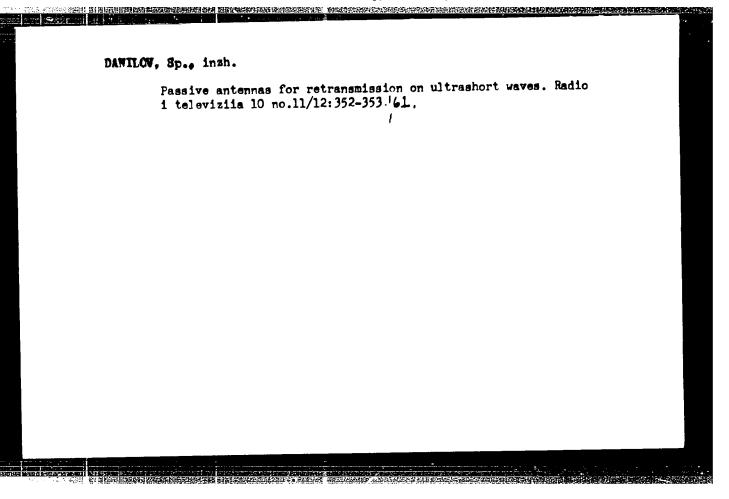
[Refrigeration systems with steam-jet units as booster compressors]
Sistemy okhlazhdeniia s primeneniem parostruinykh priborov v kachestve buster-kompressorov. Moskva, Gos. izd-vo torg.lit-ry, 1961.
27 p.

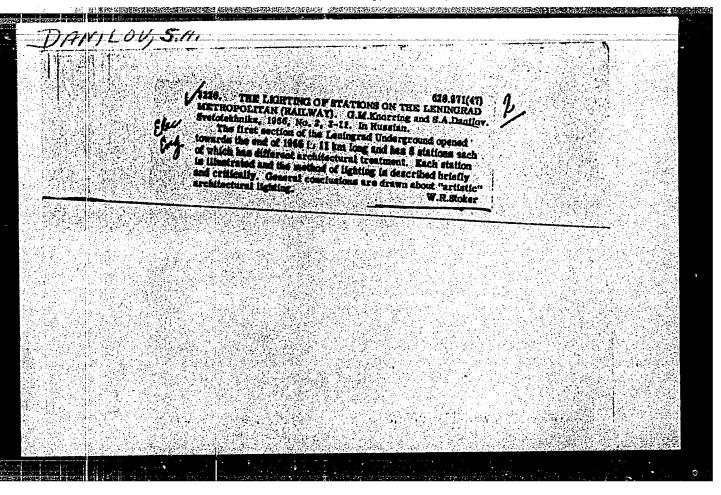
(Refrigeration and refrigerating machinery)



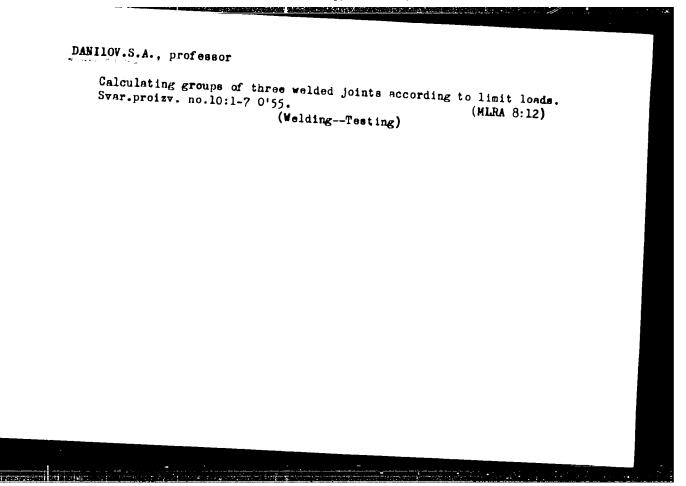








UESR/Metals - Welding	Jun. 50	
"Calculation of Welded Joints Acc of Real Stresses," Prof S. A. Dan	ording to Diagrams ilov, 7 pp	
"Avtogen -Delo" No 6		
Develops basic formulas for calcu- joints according to ultimate load method of constructing graphs for stresses in joint, and illustrate plication of these graphs to calcu- welded joints.	s. Describes determination of s by examples ap-	
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DANILON, S. A

137-58-1-825

Translation from Referativnyy zhurnal. Metallurgiya, 1958, Nr 1, p 120 (USSR)

AUTHOR Danilov, S A. \_\_\_\_

Analysis of Welded Joints of Bent Rods Made by Means of TITLE Angular Inserts and Direct Welding (Raschet svarnogo sop-

ryazheniya izgibayemykh sterzhnev pri pomosnchi uglovykh

vstavok i neposredstvennov privarki)

PERIODICAL Tr Leningr Korablestroit. in-ta, 1956, Nr 19, pp 41-60

ABSTRACT:

Equations are derived making it possible to find the limiting values of bending moment and lateral force. An experimental check of the suggested method of calculation is made on the basis of results of tests of two series of samples welded with different types of electrodes The analysis satisfactorily re-

flects the pattern of operation of the design

A K 1. Welded joints-Mathematical analysis

Card 1/1

ACC NR. AP6035823 (N) SOURCE CODE: UR/0413/66/000/020/0030/0030

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INVENTOR: Antipin, L. M.; Bondarevskaya, L. B.; Vladytskaya, N. V.; Danilov, S. I.; Zhigach, A. F.; Larikov, Ye. I.; Snyakin, A. P.

ORG: none

TITLE: Method of synthesizing lithium-aluminum hydride. Class 12, No. 186983

SOURCE: Izobreteniya, promyshlenyye obraztsy, tovarnyye znaki, no. 20, 1966, 30

TOPIC TAGS: lithium aluminum hydride,

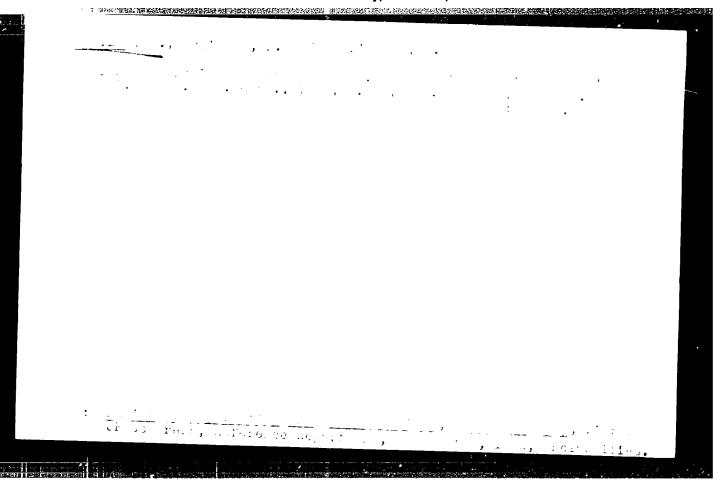
chemical synthesis

ABSTRACT: This Author Certificate introduces a method of synthesizing lithium-aluminum hydride by a reaction of sodium-aluminum hydride with lithium chloride in diethyl ether. To accelerate the process, it is carried out with additions of aluminum trialkyls. In a variant of the synthesizing process, aluminum-trialkyls are added in a quantity of 1—72.

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Card 1/1

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## "APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001109

Danilov, S. K.

Piatiletka zheleznodorozhnogo transporta, kak sotsialisticheskii outt ego rasvitila. [Pored miatiletki i zheleznodorozh nyi transport). [Five-year plan for railroad transportation as a socialest way for its divelorment. The victory of the five-year transportation as a socialest way for its divelorment. The victory of the five-year transportation as a socialest way for its divelorment. [1933, po. 1-2, p. 13-26]. plan and the railroad transportation [Sobs. transport, 1933, po. 1-3, p. 13-26].

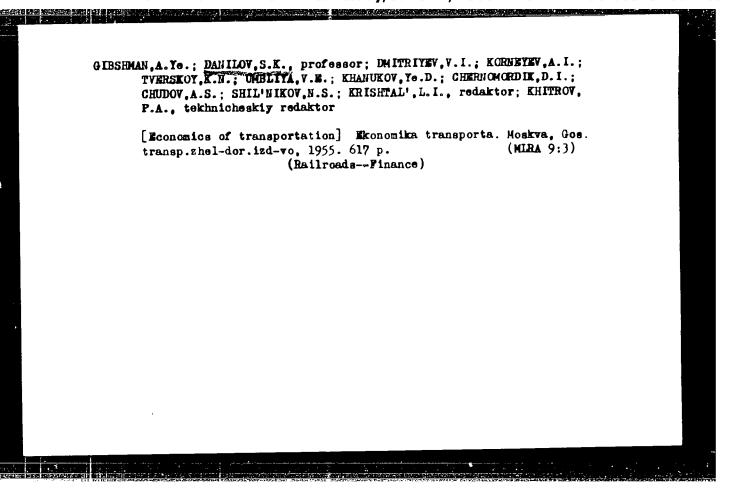
SO: Soviet Transportation and Communications, A Fiblic graphy, Librar of Concress, Reference Department, Washington, 1952, Unclassified.

DANILOV, S. and VOL'FSON, L. IA.

V polose tekhnicheskoi rekonstruktsii zheleznodorozhnogo transporta. In the field of technical reconstruction of railroad transportation. (Sots. transport, 1933, no. 10, p. 27-37).

DLC: HE7. Sc

30: Soviet Transportation and Communications, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassifed.



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293

Gibshman, A. Ye., Danilov, S.K., Dmitriyev, V.I., Korneyev, A.I., Tverskoy, K.N., Umbliya, V.E., Khanukov, Ye. D., Chernomordik, D.I., Chudov, A.S., Shil'nikov, N.S.

。 1987年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,19

- Ekonomika transporta (The Economics of Transportation) 2d revel. Moscow, Transzheldorizdat, 1957. 711 p. 30,000 copies printed.
- Ed.: Krishtal', L.I.; Tech. ed.: Khitrov, P.A.
- PURPOSE: This textbook is intended for students in engineeringeconomic branches of Railway Transportation Institutes, as well as for railway workers engaged in the independent study of railway economics.
- COVERAGE: The economic aspects of railway transportation are discussed in this textbook. It covers such subjects as technical economic problems, the most efficient way to use available facilities, methods for planning and organizaing various branches

Card 1/21

The Economics of Transportation

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of transportation operations and production, wages, costs, finances, and business accountability (khozraschet). For detailed information see Table of Contents. The book is written by several specialists in the field of railway transportation: Chapters I and IV, and part 1 of chapter II are written by Prof. S.K. Danilov; Ch. II, (parts 2, 3, and 4) is written by D.I. Chernomordik, Doctor of Economic Sciences; Ch. III by Docent A.I. Korneyev; Chapters V, VII, and VIII by Prof. Ye. D. Khanukov, Doctor of Economic Sciences; Chapters VI and XIV by Docent K.N. Tverskoy, Candidate of Economic Sciences; Ch. IX by V.I. Dmitriev, Candidate of Economic Sciences; Ch. X by Prof. A. Ye. Gibshman, Doctor of Technical Sciences; Ch. XI by Docent V.E. Umbliy, Candidate of Economic Sciences (deceased), revised by Prof. S.K. Danilov; Ch. XII by Docent A.S. Chudov, Candidate of Technical Sciences; Ch. XIII by Docent N.S. Shil'nikov, Candidate of Economic Sciences. There are 24 pages of references (pp. 682 through 705). Pages 682 to the middle of 694 are devoted exclusively to references from the works of Marx, Engels, and Lenin.

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DANILOV, S.K., prof.

Creation of the material and technical foundations of communism and role of railroad transportation. Zhel, dor.transp.44 no.3:8-14, Mr '62.

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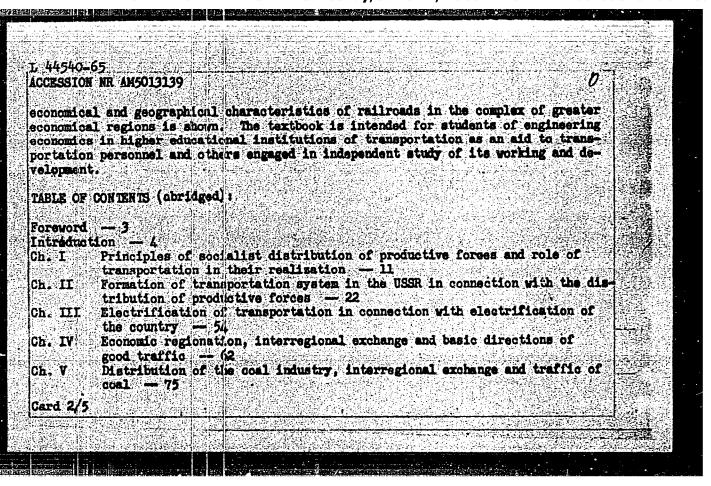
DANILOV, Sergey Konstantinovich, prof.; TVERSKOY, K.N., retsenzent;

PESKOVA, L.N., red.; USENKO, L.A., tekhn. red.

[Railroad transportation and the economic and technical foundation of communism]Zheleznodorozhnyi transport i material'no-tekhnicheskaia baza kommunizma. Moskva, Transzheldorizdat, 1962. 100 p. (MIRA 16:4)

(Railroads) (Communism)

L 44540-65 EWT(d)/EMP(o)/EMP(x)/EWP(b)/EWP(b)/EWP(1) Pf-4 ACCESSION NR AMSOL3139 UR/19 BOOK EXPLOITATION 18 Calitakiy, Mikhail Tosifovich (Professor); Danilor Sergey Konstantinovich (Professor); Korneyev, Aleksandr Il'ich (Docent) Economic geography of transportation in the U.S.S.R. (Ekonomicheskaya geografiya transporta SSSR) Moscow, Isd-vo "Transport", 65. 0302 p. illus. Errata slip inserted. 10,00 copies printed. Textbook for higher learning institutions specializing in railroad transportation. TOPIC TAGS: cummerce, framsportation system, transportation status, economic system, railway network, mineral industry, petroleum industry, metallurgic industry, forestry, chemical industry, agriculture PURPOSE AND COVERAGE: The textbook develops basic regularities of the socialist distribution of industries and the role of transportation in their realisation. The process of formation of the transportation system in the USSR with respect to the distribution of productive forces is shown. Interregional exchange and basic directions in goods traffic, as a whole, in connection with economical soning of the country is given. The book presents problems of distribution of the industry, interregional exchange and traffic of basic industrial and agricultural goods, and transportation of goods for foreign trade. The geography of passenger traffic and Card 1/5

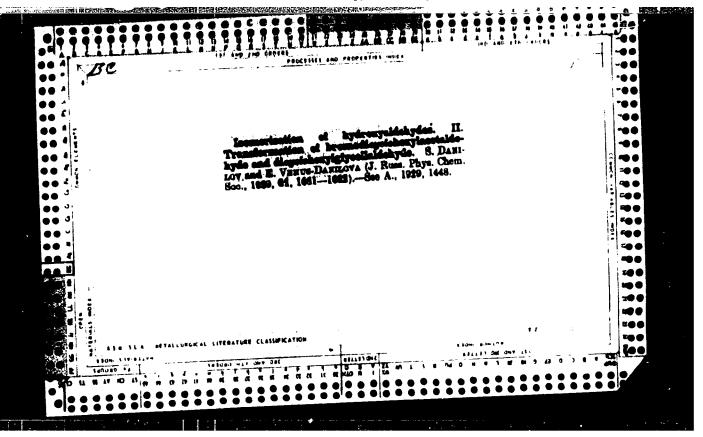


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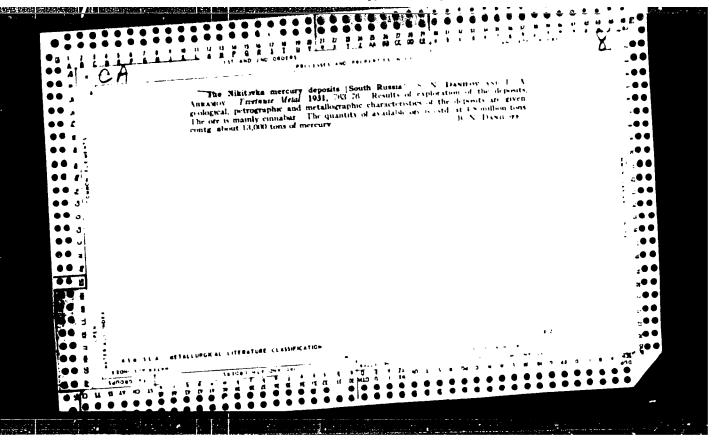
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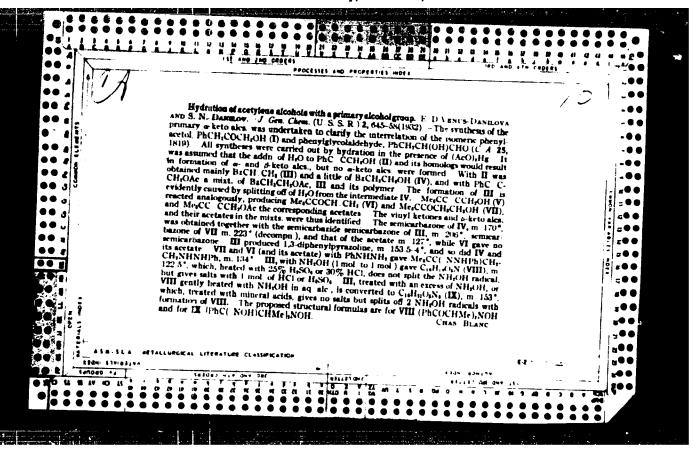
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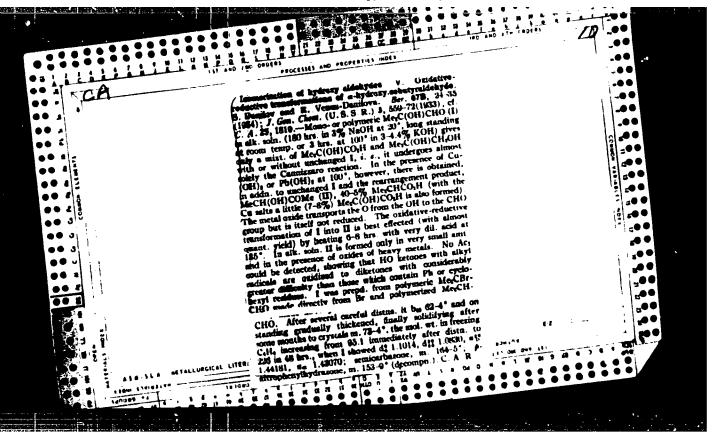


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